



ENTERED

PCT09

RAW SEQUENCE LISTING

DATE: 09/20/2002

PATENT APPLICATION: US/09/720,530A

TIME: 11:36:32

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\09202002\I720530A.raw

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4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
5     LAL, Preeti
6     TANG, Y. Tom
7     YUE, Henry
8     CORLEY, Neil C.
9     GUEGLER, Karl J.
10    GORGONE, Gina A.
11    BAUGHN, Mariah R.
12    PATTERSON, Chandra
14 <120> TITLE OF INVENTION: NEUROTRANSMISSION ASSOCIATED PROTEINS
16 <130> FILE REFERENCE: PF-0551 PCT
C--> 18 <140> CURRENT APPLICATION NUMBER: US/09/720,530A
C--> 19 <141> CURRENT FILING DATE: 2000-12-19
21 <150> PRIOR APPLICATION NUMBER: 60/091,667
22 <151> PRIOR FILING DATE: 1998-07-02
24 <160> NUMBER OF SEQ ID NOS: 12
26 <170> SOFTWARE: PERL Program
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 251
30 <212> TYPE: PRT
31 <213> ORGANISM: Homo sapiens
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <223> OTHER INFORMATION: Incyte Clone No: 238506
37 <400> SEQUENCE: 1
38 Leu Leu Lys Pro Gly Leu Arg Ala Val Val Gly Gly Ala Ala Ala
39 1      5      10      15
40 Val Ser Thr Gln Ala Met His Asn Gly Ser Pro Lys Ser Ser Ala
41      20      25      30
42 Ser Gln Ala Gly Ala Ala Ala Gly Gln Gly Ala Pro Ala Pro Ala
43      35      40      45
44 Pro Ala Ser Gln Glu Pro Leu Pro Ile Ala Gly Pro Ala Thr Ala
45      50      55      60
46 Pro Ala Pro Arg Pro Leu Gly Ser Ile Gln Arg Pro Asn Ser Phe
47      65      70      75
48 Leu Phe Arg Ser Ser Ser Gln Ser Gly Ser Gly Pro Ser Ser Pro
49      80      85      90
50 Asp Ser Val Leu Arg Pro Arg Arg Tyr Pro Gln Val Pro Asp Glu
51      95     100     105
52 Lys Asp Leu Met Thr Gln Leu Arg Gln Val Leu Glu Ser Arg Leu
53     110     115     120
54 Gln Arg Pro Leu Pro Glu Asp Leu Ala Glu Ala Leu Ala Ser Gly
55     125     130     135

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56 Val Ile Leu Cys Gln Leu Ala Asn Gln Leu Arg Pro Arg Ser Val
57                               140                145                150
58 Pro Phe Ile His Val Pro Ser Pro Ala Val Pro Lys Leu Ser Ala
59                               155                160                165
60 Leu Lys Ala Arg Lys Asn Val Glu Ser Phe Leu Glu Ala Cys Arg
61                               170                175                180
62 Lys Met Gly Val Pro Glu Ala Asp Leu Cys Ser Pro Ser Asp Leu
63                               185                190                195
64 Leu Gln Gly Thr Ala Arg Gly Leu Arg Thr Ala Leu Glu Ala Val
65                               200                205                210
66 Lys Arg Val Gly Gly Lys Ala Leu Pro Pro Leu Trp Pro Pro Ser
67                               215                220                225
68 Gly Leu Gly Gly Phe Val Val Phe Tyr Val Val Leu Met Leu Leu
69                               230                235                240
70 Leu Tyr Val Thr Tyr Thr Arg Leu Leu Gly Ser
71                               245                250
76 <210> SEQ ID NO: 2
77 <211> LENGTH: 238
78 <212> TYPE: PRT
79 <213> ORGANISM: Homo sapiens
81 <220> FEATURE:
82 <221> NAME/KEY: misc_feature
83 <223> OTHER INFORMATION: Incyte Clone No: 414692
85 <400> SEQUENCE: 2
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87   1           5           10           15
88 Asp Phe Asn Tyr Gly Ser Ser Val Ala Ser Ala Thr Val His Ile
89           20           25           30
90 Arg Met Ala Phe Leu Arg Lys Val Tyr Ser Ile Leu Ser Leu Gln
91           35           40           45
92 Val Leu Leu Thr Thr Val Thr Ser Thr Val Phe Leu Tyr Phe Glu
93           50           55           60
94 Ser Val Arg Thr Phe Val His Glu Ser Pro Ala Leu Ile Leu Leu
95           65           70           75
96 Phe Ala Leu Gly Ser Leu Gly Leu Ile Phe Ala Leu Thr Leu Asn
97           80           85           90
98 Arg His Lys Tyr Pro Leu Asn Leu Tyr Leu Leu Phe Gly Phe Thr
99           95          100          105
100 Leu Leu Glu Ala Leu Thr Val Ala Val Val Val Thr Phe Tyr Asp
101          110          115          120
102 Val Tyr Ile Ile Leu Gln Ala Phe Ile Leu Thr Thr Thr Val Phe
103          125          130          135
104 Phe Gly Leu Thr Val Tyr Thr Leu Gln Ser Lys Lys Asp Phe Ser
105          140          145          150
106 Lys Phe Gly Ala Gly Leu Phe Ala Leu Leu Trp Ile Leu Cys Leu
107          155          160          165
108 Ser Gly Phe Leu Lys Phe Phe Phe Tyr Ser Glu Ile Met Glu Leu
109          170          175          180
110 Val Leu Ala Ala Ala Gly Ala Leu Leu Phe Cys Gly Phe Ile Ile

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111          185          190          195
112 Tyr Asp Thr His Ser Leu Met His Lys Leu Ser Pro Glu Glu Tyr
113          200          205          210
114 Val Leu Ala Ala Ile Ser Leu Tyr Leu Asp Ile Ile Asn Leu Phe
115          215          220          225
116 Leu His Leu Leu Arg Phe Leu Glu Ala Val Asn Lys Lys
117          230          235
122 <210> SEQ ID NO: 3
123 <211> LENGTH: 408
124 <212> TYPE: PRT
125 <213> ORGANISM: Homo sapiens
127 <220> FEATURE:
128 <221> NAME/KEY: misc_feature
129 <223> OTHER INFORMATION: Incyte Clone No: 998868
131 <400> SEQUENCE: 3
132 Met Gly Pro Tyr Asn Pro Asp Thr Cys Pro Glu Val Gly Phe Phe
133 1          5          10          15
134 Asp Val Leu Gly Asn Asp Arg Arg Arg Glu Trp Ala Ala Leu Gly
135          20          25          30
136 Asn Met Ser Lys Glu Asp Ala Met Val Glu Phe Val Lys Leu Leu
137          35          40          45
138 Asn Arg Cys Cys His Leu Phe Ser Thr Tyr Val Ala Ser His Lys
139          50          55          60
140 Ile Glu Lys Glu Glu Gln Asp Lys Lys Arg Gln Glu Glu Glu Glu
141          65          70          75
142 Arg Arg Arg Arg Glu Glu Glu Glu Arg Arg Leu Pro Lys Glu
143          80          85          90
144 Glu Glu Lys Arg Arg Arg Glu Glu Glu Glu Arg Leu Arg Arg Ala
145          95          100          105
146 Ala Glu Glu Arg Arg Arg Ile Glu Glu Glu Arg Leu Arg Leu Glu
147          110          115          120
148 Gln Gln Lys Gln Gln Ile Met Ala Ala Leu Asn Ser Gln Thr Ala
149          125          130          135
150 Val Gln Phe Gln Gln Tyr Ala Ala Gln Gln Tyr Pro Gly Asn Tyr
151          140          145          150
152 Glu Gln Gln Gln Ile Leu Ile Arg Gln Leu Gln Glu Gln His Tyr
153          155          160          165
154 Gln Gln Tyr Met Gln Gln Leu Tyr Gln Val Gln Leu Ala Gln Gln
155          170          175          180
156 Gln Ala Ala Leu Gln Lys Gln Gln Glu Val Val Val Ala Gly Ser
157          185          190          195
158 Ser Leu Pro Thr Ser Ser Lys Val Asn Ala Thr Val Pro Ser Asn
159          200          205          210
160 Met Met Ser Val Asn Gly Gln Ala Lys Thr His Thr Asp Ser Ser
161          215          220          225
162 Glu Lys Glu Leu Glu Pro Glu Ala Ala Glu Glu Ala Leu Glu Asn
163          230          235          240
164 Gly Pro Lys Glu Ser Leu Pro Val Ile Ala Ala Pro Ser Met Trp
165          245          250          255

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166 Thr Arg Pro Gln Ile Lys Asp Phe Lys Glu Lys Ile Gln Gln Asp
167                               260                265                270
168 Ala Asp Ser Val Ile Thr Val Gly Arg Gly Glu Val Val Thr Val
169                               275                280                285
170 Arg Val Pro Thr His Glu Glu Gly Ser Tyr Leu Phe Trp Glu Phe
171                               290                295                300
172 Ala Thr Asp Asn Tyr Asp Ile Gly Phe Gly Val Tyr Phe Glu Trp
173                               305                310                315
174 Thr Asp Ser Pro Asn Thr Ala Val Ser Val His Val Ser Glu Ser
175                               320                325                330
176 Ser Asp Asp Asp Glu Glu Glu Glu Glu Asn Ile Gly Cys Glu Glu
177                               335                340                345
178 Lys Ala Lys Lys Asn Ala Asn Lys Pro Leu Leu Asp Glu Ile Val
179                               350                355                360
180 Pro Val Tyr Arg Arg Asp Cys His Glu Glu Val Tyr Ala Gly Ser
181                               365                370                375
182 His Gln Tyr Pro Gly Arg Gly Val Tyr Leu Leu Lys Phe Asp Asn
183                               380                385                390
184 Ser Tyr Ser Leu Trp Arg Ser Lys Ser Val Tyr Tyr Arg Val Tyr
185                               395                400                405
186 Tyr Thr Arg
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192 <211> LENGTH: 272
193 <212> TYPE: PRT
194 <213> ORGANISM: Homo sapiens
196 <220> FEATURE:
197 <221> NAME/KEY: misc_feature
198 <223> OTHER INFORMATION: Incyte Clone No: 1296451
200 <400> SEQUENCE: 4
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202   1                               5                10                15
203 Ala Phe Gly His Ser Thr Tyr Gly Ala Glu Cys Phe Pro Ala Cys
204                               20                25                30
205 Asn Pro Gln Asn Gly Phe Cys Glu Asp Asp Asn Val Cys Arg Cys
206                               35                40                45
207 Gln Pro Gly Trp Gln Gly Pro Leu Cys Asp Gln Cys Val Thr Ser
208                               50                55                60
209 Pro Gly Cys Leu His Gly Leu Cys Gly Glu Pro Gly Gln Cys Ile
210                               65                70                75
211 Cys Thr Asp Gly Trp Asp Gly Glu Leu Cys Asp Arg Asp Val Arg
212                               80                85                90
213 Ala Cys Ser Ser Ala Pro Cys Ala Asn Asn Gly Tyr Ser Gly Lys
214                               95                100               105
215 Asp Cys Gln Lys Lys Asp Gly Pro Cys Val Ile Asn Gly Ser Pro
216                               110               115               120
217 Cys Gln His Gly Gly Thr Cys Val Asp Asp Glu Gly Arg Ala Ser
218                               125               130               135
219 His Ala Ser Cys Leu Cys Pro Pro Gly Phe Ser Gly Asn Phe Cys
220                               140               145               150

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221 Glu Ile Val Ala Ser Pro Cys Gln Asn Gly Gly Thr Cys Leu Gln
222                               155                      160                      165
223 His Thr Gln Pro Glu His Arg Ile Leu Lys Val Ser Met Lys Glu
224                               170                      175                      180
225 Leu Asn Lys Lys Thr Pro Leu Leu Thr Glu Gly Gln Ala Ile Cys
226                               185                      190                      195
227 Phe Thr Ile Leu Gly Val Leu Thr Ser Leu Val Val Leu Gly Thr
228                               200                      205                      210
229 Val Gly Ile Val Phe Leu Asn Lys Cys Glu Thr Trp Val Ser Asn
230                               215                      220                      225
231 Leu Arg Tyr Asn His Met Leu Arg Lys Lys Lys Asn Leu Leu Leu
232                               230                      235                      240
233 Gln Tyr Asn Ser Gly Glu Asp Leu Ala Val Asn Ile Ile Phe Pro
234                               245                      250                      255
235 Glu Lys Ile Asp Met Thr Thr Phe Ser Lys Glu Ala Gly Asp Glu
236                               260                      265                      270
237 Glu Ile
242 <210> SEQ ID NO: 5
243 <211> LENGTH: 363
244 <212> TYPE: PRT
245 <213> ORGANISM: Homo sapiens
247 <220> FEATURE:
248 <221> NAME/KEY: misc_feature
249 <223> OTHER INFORMATION: Incyte Clone No: 1739035
251 <400> SEQUENCE: 5
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254 Thr Glu Thr Thr Lys Phe Glu Lys Leu Ala Glu Asp Cys Lys Arg
255                               20                      25                      30
256 Ser Met Asp Ile Leu Lys Gln Ala Phe Val Arg Gly Leu Pro Thr
257                               35                      40                      45
258 Pro Thr Ala Arg Phe Glu Gln Arg Thr Phe Ser Val Ile Lys Ile
259                               50                      55                      60
260 Phe Pro Asp Leu Ser Ser Asn Asp Met Leu Leu Phe Ile Val Lys
261                               65                      70                      75
262 Gly Ile Asn Leu Pro Thr Pro Pro Gly Leu Ser Pro Gly Asp Leu
263                               80                      85                      90
264 Asp Val Phe Val Arg Phe Asp Phe Pro Tyr Pro Asn Val Glu Glu
265                               95                      100                     105
266 Ala Gln Lys Asp Lys Thr Ser Val Ile Lys Asn Thr Asp Ser Pro
267                               110                     115                     120
268 Glu Phe Lys Glu Gln Phe Lys Leu Cys Ile Asn Arg Ser His Arg
269                               125                     130                     135
270 Gly Phe Arg Arg Ala Ile Gln Thr Lys Gly Ile Lys Phe Glu Val
271                               140                     145                     150
272 Val His Lys Gly Gly Leu Phe Lys Thr Asp Arg Val Leu Gly Thr
273                               155                     160                     165
274 Ala Gln Leu Lys Leu Asp Ala Leu Glu Ile Ala Cys Glu Val Arg
275                               170                     175                     180

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VERIFICATION SUMMARY

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TIME: 11:36:33

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\09202002\I720530A.raw

L:18 M:270 C: Current Application Number differs, Replaced Current Application Number

L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date